

## WHO CAN PARTICIPATE

PG/PhD students, researchers, faculty, and technical staff from Data Science, Computer Science, Bioinformatics, Biotechnology, Agriculture, and Life Sciences interested in AI-driven sustainable agriculture.

### REGISTRATION

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Institute: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Email ID: \_\_\_\_\_

Contact No: \_\_\_\_\_

Undertaking: I shall abide by the rules of the course.

\_\_\_\_\_  
Signature of Participant

### CONTACTS

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Assistant Professor  
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Dr. Balakrishnan C  
Associate Professor  
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## ABOUT NM-ICPS

The National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) fosters innovation in AI, Data Analytics, IoT, robotics, and automation across key sectors such as agriculture, health, energy, environment, and transportation.

## ABOUT IDAPT

I-DAPT Hub Foundation supports research, training, and innovation in data analytics and predictive technologies. It strengthens India's technological ecosystem through interdisciplinary collaboration and capacity building.

## AGRITECH IN I-DAPT

AgriTech is a major thrust area focusing on:

- AI-driven decision support
- Predictive analytics
- Smart farming with IoT & cloud systems
- Deep learning for crop/soil imaging
- Omics data integration
- Explainable & ethical agricultural AI



**CHRIST**  
(DEEMED TO BE UNIVERSITY)  
BANGALORE | DELHI NCR | PUNE

**CHRIST (Deemed to be University)**

**Bangalore Yeshwanthpur  
Campus**

**Department of Computer Science**

IN ASSOCIATION WITH

**INTERDISCIPLINARY DATA ANALYTICS  
AND PREDICTIVE TECHNOLOGY (I-DAPT)  
IIT (BHU), Varanasi**

Under  
**NATIONAL MISSION ON  
INTERDISCIPLINARY CYBER PHYSICAL  
SYSTEM (NM-ICPS)**

**Short-term Course On  
Next-Generation AgriTech:  
AI, Predictive Analytics,  
and Sustainable Farming**

**19-23 JANUARY 2026**

**CHRIST (DEEMED TO BE UNIVERSITY)  
BANGALORE YESHWANTHPUR  
CAMPUS**

**Course Coordinators:**

**DR. PRIYA STELLA MARY I  
DR. BALAKRISHNAN C**

## ABOUT INSTITUTE



CHRIST (Deemed to be University) is a premier institution known for academic excellence, research culture, and value-based education. The Yeshwanthpur Campus offers modern laboratories, research facilities, and a vibrant interdisciplinary learning environment.

## ABOUT DEPARTMENT

The Department of Computer Science, Yeshwanthpur Campus, offers UG, PG, and PhD programs with a strong focus on AI, ML, Data Science, Cybersecurity, Cloud Computing, and IoT. The Department promotes industry collaboration, research, and hands-on learning.

## EMINENT SPEAKERS (Tentative)

- **Mr. Vamshi H. V** ( Project Research Scientist ) , ICAR-NIVEDI, Bengaluru
- **Mr. Nandan A. S** (Young Professional ) , ICAR-NIVEDI, Bengaluru
- **Mr. Hariprasad T** ( Senior Research Fellow ) , ICAR-NIVEDI, Bengaluru
- **Dr. Gayathri M** ( Research Associate ) , ICAR-NIVEDI, Bengaluru
- **Dr. J. V. M. Lal** ( Advisor – Research ) , European International University, France
- **Prof. Utpal Tatu** ( Professor, Department of Biochemistry ) , Indian Institute of Science, India
- **Dr. Edwinraj Esack** ( Research & Development and Nursery Manager ) , M/s MIRO Forestry & Timber Products, Sierra Leone
- **Dr. E. George Dharma Prakash Raj** ( School of Computer Science and Engineering ) , Bharathidasan University, Tiruchirappalli
- **Dr. Somu R** ( Lead Agri Research Scientist ) , Fasal, Bengaluru
- **Mr. Adharsh C. B** ( Tech Lead ) , Farm.io, Chennai
- **Mr. Ranjith Kumar P. S** ( Vice President ) , Khetika, Bengaluru (Agritech AI & Retail Start-up)

## COURSE CONTENTS (Tentative)

With the focus of advancing Next-Generation AgriTech through AI, predictive analytics, IoT, deep learning, and omics-driven decision-making, this STC covers:

- Introduction to agricultural datasets
- Data preprocessing & feature engineering
- Exploratory data analysis & visualization
- ML techniques for crop & soil analytics
- Deep Learning (CNNs) for crop image analysis
- IoT sensor networks & cloud platforms
- Omics data integration for precision agriculture
- Explainable AI (SHAP/LIME)
- Ethical & reproducible AI
- Case studies in yield & disease prediction
- Field demonstrations (IoT, drones, dashboards)
- Hands-on sessions using Python/Scikit-learn/Keras

## REGISTRATION DETAILS

### Registration link :

- > Will be shared after approval
- Last Date of Registration:
- > To be announced

### Registration Fees (Non-refundable):

- Offline Participation: ( Including 18 % of GST amount)
- Faculty, Scientists, Post-Doctoral Fellows: ₹4,000 (non-refundable)
- Industry Participants: ₹7,000 (non-refundable)
- UG, PG, PhD Students: ₹1,500 (non-refundable)
- Technical Staff: ₹3,000 (non-refundable)
- International Participants: NA
- Online Participation: ( Including 18 % of GST amount)
- Faculty, Scientists, Post-Doctoral Fellows: ₹2,000 (non-refundable)
- Industry Participants: ₹3,500 (non-refundable)
- UG, PG, PhD Students: ₹750 (non-refundable)
- Technical Staff: ₹1,500 (non-refundable)
- International Participants: USD 100

### Payment Methods:

#### Online Payment

Details will be sent with the registration link.

#### Demand Draft

In favour of: I-DAPT-HUB-FOUNDATION  
Payable at: SBI, IIT(BHU) Varanasi

**Course Mode:** Hybrid

**Venue:** CHRIST (Deemed to be University), Yeshwanthpur Campus

**For any difficulty:**

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